

Form PTO-1449 (MODIFIED)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO. 016907-1248		SERIAL NO. To Be Assigned		
INFORMATION DISCLOSURE CITATION <i>(Use several sheets if necessary)</i>				APPLICANT Gaku TAKANO et al.				
				FILING DATE August 6, 2001		GROUP ART UNIT Unassigned		
U.S. PATENT DOCUMENTS								
EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE IF APPROPRIATE	
<i>[Signature]</i>	A1	5,708,514	01/13/1998	Higuchi et al.	358	458	<div style="display: flex; align-items: center;"> <div style="writing-mode: vertical-rl; transform: rotate(180deg); font-size: small;"> 1040 U.S. PTO 09/21/97 </div> </div>	
	A2	4,977,464	12/11/1990	Ikuta	358	448		
	A3	6,069,636	05/30/2000	Sayuda et al.	345	433		
<i>[Signature]</i>		6377361	4-23-02	Sakane et al	358	1.9		
U.S. PATENT APPLICATION DOCUMENTS								
EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE IF APPROPRIATE	
<i>[Signature]</i>	A4	09/228,956	4-23-02	Sakane et al	358	1.9	01/12/1999	
FOREIGN PATENT DOCUMENTS								
	REF	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION	
							YES	NO
<i>[Signature]</i>	A5	2-136255	05/24/1990	Japan	H04N	1/40	Abstract	
	A6	9-172537	06/30/1997	Japan			Abstract	
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)								
EXAMINER				DATE CONSIDERED				
<i>[Signature]</i>				3-6-05				
* EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include any copy of this form with next communication to applicant.								